Name: HW70\_Solutions of Quadratics

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Geometry, Period

Due Date:

**Geometry**

**Homework**



Find the solutions, roots, and zeros below:

|  |  |  |
| --- | --- | --- |
| 1.  X= | 2.  X= | 3.  X= |
| 4.  X= | 5.  X= | 6.  X= |
| 7.   |  |  | | --- | --- | |  |  | |  | 21 | |  | 12 | |  | 0 | |  |  | |  | 0 | |  |  | |  | 32 | | 8.   |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | |  |  | | 9.   |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | |  |  | |

|  |  |
| --- | --- |
| 10. Find the area of the circle below: | 11. Find the area of the circle below: |
| 12. Simplify | 13. Simplify |
| 14. Solve for x: | 15. Find ∠ABX and ∠ABC |
| 16. If a cookie occupies the area of 49π, what will be the circumference of the cookie? | 17. In the square below, 1 ft by 1 ft corners have been cut out. Find the perimeter and area of the remaining figure.  1  5  1  Perimeter: \_\_\_\_\_\_  Area: \_\_\_\_\_\_\_ |
| 18. Last year, Rachel planted a garden that was 11 feet by 5 feet, surrounded by a mesh wire fence to keep rabbits out. This year, she has twice as much wire mesh. She plans to keep the same dimensions by doubling each side length. How much **larger** will the **area** be this year than last year? | |